

EVAC GmbH

Revised: 15.12.2006, Date printed: 31.01.2007

01 Identification of the substance / preparation and of the company**Product:** ENVIROCLEAN FT-2**Use:** Cleaning agent**Company:** EVAC GmbH

Hafenstrasse 32 a

22880 Wedel

Phone: +49 (0)4103-9168-0**Fax:****Homepage:** www.evac-train.de**Emergency phone:** +49 (0)4103-9168-0**02 Composition / Information on ingredients**

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Amines, bis(C8-20-branched and linear alkyl)methyl		108215-84-5	0,1 - < 1	Xi-43
Ethanol	200-578-6	64-17-5	1 - < 20	F-11
N,N-Didecyl-N,N-dimethyl ammonium chloride	230-525-2	7173-51-5	5 - < 10	C-22-34
(2-Methoxymethylethoxy)propanole	252-104-2	34590-94-8	1 - < 15	
Sodium N-(2-carboxyethyl)-N-[3-(decyloxy)propyl]-β-alaninate	265-295-2	64972-19-6	1 - < 20	Xi-36/38-52/53

03 Hazards identification

R 36/38: Irritating to eyes and skin. R001: May produce an allergic reaction.

04 First aid measures

General information:	Change soaked clothing.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact:	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Supply with medical care.
Advice to doctor:	If swallowed or in the event of vomiting, risk of product entering the lungs.

05 Fire-fighting measures

Suitable extinguishing media:	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used:	full water jet
Special exposure hazards arising from the substance or preparation itself or combustion products:	Risk of formation of toxic pyrolysis products. Nitrogen oxides (NOx). Hydrogen chloride (HCl).
Special protective equipment for firefighters:	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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06 Accidental release measures

Personal precautions:	High risk of slipping due to leakage/spillage of product. Use personal protective clothing.
Environmental precautions:	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up:	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

07 Handling and storage

Advice on safe handling:	No special measures necessary if used correctly.
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	Prevent penetration into the ground. Provide acid-resistant floor.
Advice on storage compatibility:	Do not store with alkalis. Do not store together with metals.
Further information on storage conditions:	Keep container in a well-ventilated place. Keep container tightly closed.

08 Exposure controls / personal protection**Additional advice on system design:**

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: (GB)

Substance	[ppm]*	[mg/m ³]*	General remarks:
(2-Methoxymethylethoxy)propanole	50	308	IOELV, SK 72
Ethanol	1000	1920	70,72,80,88,96

* LTEL: Long-term exposure limit

Respiratory protection:	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, filter A.
Hand protection:	butyl rubber, > 120 min (EN 374)
Eye protection:	safety glasses
Skin protection:	Acid-resistant protective clothing.
General protective measures:	Avoid contact with eyes and skin.
Hygiene measures:	Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition:	not determined

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09 Physical and chemical properties

Form:	liquid
Colour:	blue
Odour:	sweetish
pH-value:	~ 5,3 (10%)
pH-value (1 %):	not determined
Boiling point [°C]:	> 100
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Combustible properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	1,029 - 1,037
Bulk density [kg/m³]:	not applicable
Solubility in water:	miscible
Partition coefficient: n-octanol/water:	not determined
Viscosity:	not determined
Relative vapour density determined in air:	< 1
Evaporation speed:	not determined
Melting point [°C]:	< 0
Autoignition temperature [°C]:	not applicable
Decomposition temperature [°C]:	not applicable

10 Stability and reactivity

Hazardous reactions:	Reactions with strong alkalies and oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity OECD 401:	not determined
Experiences made in practice:	none
General remarks:	No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.

12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	The product is readily biodegradable according to OECD criteria.
COD:	not determined
BOD 5:	not determined

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AOX-advice:	not applicable
2006/11/EC:	yes
General information:	Ecotoxicological data are not available. Do not discharge product unmonitored into the environment.

13 Disposal considerations

Disposal / Product:	Dispose of as hazardous waste. Coordinate disposal with the authorities if necessary.
Waste no. (recommended):	070601*
Disposal / Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

14 Transport information

Classification according to ADR:	no dangerous goods
Declaration:	
Labelling:	
Factor (ADR 1.1.3.6):	
LQ (ADR 3.4.6):	
Hazard-no.:	
Label:	
Classification according to IMDG:	not classified as "Dangerous Goods"
Declaration:	
Labelling:	
Label:	
LQ [l, kg]:	
EmS:	
Classification according to IATA:	not classified as "Dangerous Goods"
Declaration:	
Labelling:	
Label:	

15 Regulatory information

Labelling: The product is classified and labelled in accordance within EC-directives.

Hazard symbols:

Contains: Amines, bis(C8-20-branched and linear alkyl)methyl

R 36/38: Irritating to eyes and skin. R001: May produce an allergic reaction.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

15.1 Special labelling for certain preparations

not applicable

15.2 Sources of documentation

EEC: 91/155 (2001/58); 67/548 (2004/73, 29. ATP); 1999/45 (2006/8); 91/689 (2001/118); 89/542; 1999/13; 2004/42

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Transport information: ADR (2007); IMDG-Code (32. Amdt.); IATA-DGR (2007)

15.3 National regulations (GB)

EH40/2002 Occupational Exposure Limits Supplement 2003

16 Other informations

(Information on ingredients - position 02)

R 11: Highly flammable.

R 22: Harmful if swallowed.

R 34: Causes burns.

R 36/38: Irritating to eyes and skin.

R 43: May cause sensitisation by skin contact.

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.1 Additional information:

Observe employment restrictions for people:	yes
VOC (1999/13/EG):	not determinated
Customs Tariff:	not determinated

16.2 Information on ingredients

2004/42/EG:	not applicable
UBA-Registration:	not applicable
648/2004/EG, Contains:	5% - 15% amphoteric surfactants <5% polycarboxylates preservatives (Amines, bis(C8-20-branched and linear alkyl)methyl) preservatives (DIDECYLDIMONIUM CHLORIDE)

16.3 Modified position

none